ACC WOOD INSERTS | FOR FIREPLACES

QUADRA-FIRE

PERFORMANCE

Cover: Voyageur Grand in black finish with full cast surround

Above: 4100i shown with satin nickel trim kit and standard size cast trim surround.

PERFORMANCE

With Quadra-Fire®, performance is king. These wood inserts deliver robust heating in a variety of attractive shapes and sizes. The patented Four-Point Burn System and Automatic Combustion Control (ACC) produce intense, rolling flames with unrivaled efficiency.

For performance, easy operation and most durable products available, turn to Quadra-Fire.

Automatic Combustion Control and the Four-Point Burn System are both integral parts of every Quadra-Fire wood insert.

AUTOMATIC COMBUSTION CONTROL

Automatic Combustion Control (ACC) is an advanced heat-management technology from Quadra-Fire. ACC feeds the fire with air when it's needed most—for precision start-up and consistent, extended burns.

To learn more visit quadrafire.com.

FOUR-POINT BURN SYSTEM

The patented Quadra-Fire Four-Point Burn System produces intense rolling flames. Four combustion cycles extend the heat, enhance the fire and increase efficiency for durable, long-lasting performance.

To learn more visit quadrafire.com.

ACC WOOD INSERTS

VOYAGEUR GRAND

The Voyageur Grand is the latest wood-burning insert from Quadra-Fire. It harnesses proven technology to achieve long, clean burns and powerful heat production. Heavy-duty cast iron construction and accelerated lifecycle testing make the Voyageur Grand a rugged heating option.

Voyageur Grand shown in black with full cast surround.

VOYAGEUR

The Voyageur cast iron wood insert features a flush front with elegant lines and a large, unobstructed viewing area. It uses advanced technology—so you can sit back and enjoy the performance and the knowledge that your roaring, carbon-neutral fire is lowering your heating bills.

Voyageur shown in porcelain mahogany with full cast surround.

5100i

This high-efficiency wood insert transforms an ordinary fireplace into a powerful heat source. Durable construction and Automatic Combustion Control (ACC) help the 5100i burn up to 14 hours with one load of wood.

5100i shown with satin nickel trim kit and standard size surround with satin nickel trim.

ACC WOOD INSERTS

4100i

Cast iron construction, a unique three-sided view and Automatic Combustion Control (ACC) combine to make the 4100i an impressive heating option. A variable speed blower helps manage burn rates and heat output.

4100i shown with satin nickel trim kit and standard size cast trim surround.

3100i

The 3100i blends rugged Quadra-Fire quality with advanced Automatic Combustion Control (ACC). Traditional styling with multiple finishing options help accent your décor.

3100i shown with rectangular door, black side panels and standard size surround with black trim.

2700i

This compact wood insert is built for clean, durable performance. Attractive cast iron styling and Automatic Combustion Control (ACC) bolster impressive heating power. A small footprint offers more installation options—and can help heat an entire level.

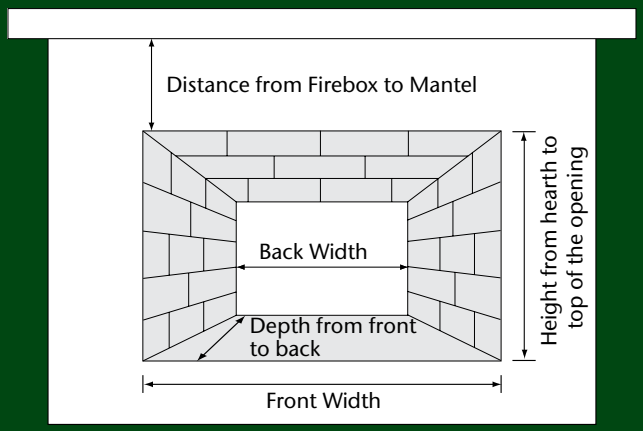
2700i shown with satin nickel trim and standard size surround with satin nickel trim.

A NEW FIREPLACE IN FOUR EASY STEPS

1) Measure your existing fireplace
2) Choose your insert
3) Select your surround
4) Customize your insert

STEP 1 MEASURE YOUR EXISTING FIREPLACE

The width, height and depth of the existing fireplace opening is needed to identify and select a properly-sized insert.



STEP 2 CHOOSE YOUR INSERT

Selecting an insert consists of two main factors. Keep these in mind and you're sure to make a solid choice.

- Consider the size of your existing fireplace opening. Try and fill that space.
- Consider how your insert will be used. Room size, heating needs and usage frequency all come into play.

Voyageur Grand

Voyageur Grand in black with cast surround

Features

- 2.35 cu. ft. firebox capacity
- Up to 12 hours of burn time with each load of wood
- Cast iron finish
- Designed to install flush into the wall
- 140 CFM fan kit

Options

- Surround panels
  - Cast surround in black or mahogany
  - Black metal surround with black or satin nickel trim
- Outside air kit

Voyageur

Voyageur in porcelain mahogany with cast surround

Features

- 1.83 cu. ft. firebox capacity
- Up to 10 hours of burn time with each load of wood
- Cast iron finish
- Designed to install flush into the wall
- 140 CFM fan kit

Options

- Surround panels
  - Cast surround in black or mahogany
  - Black metal surround with black or satin nickel trim
- Outside air kit

ACC WOOD INSERTS

5100i

5100i with black standard door and standard surround with black trim

Features

- 3.0 cu. ft. firebox capacity
- Up to 14 hours of burn time with each load of wood
- Unique 3-sided viewing

Options

- Two door trim styles: gold or satin nickel
- Two surround sizes: black or satin nickel trim
- Door upgrade kit in satin nickel
- Adjustable hearth support

4100i

4100i shown in black with satin nickel trim and basic standard surround

Features

- 2.4 cu. ft. firebox capacity
- Up to 12 hours of burn time with each load of wood
- Variable speed blower
- Easy-light dual air controls
- 140 CFM fan kit

Options

- Two door trim styles: black or satin nickel
- Two surround styles: basic surround with black or satin nickel trim, or cast iron trim surround in black
- Adjustable hearth support

3100i

3100i shown in black with rectangular door, black side panels and standard surround with black trim

Features

- 2 cu. ft. firebox capacity
- Up to 10 hours of burn time with each load of wood
- Unique bay design

Options

- Two door styles: arched in black, or with satin nickel trim, or rectangular in black
- Two surround sizes with black or satin nickel trim
- Side panels with built-in variable speed 140 CFM blower; available in black or satin nickel trim kit (required to complete insert, sold separately)
- Door upgrade kit in satin nickel
- Outside air kit

2700i

2700i shown with satin nickel trim door, door upgrade kit and standard surround with satin nickel trim.

Features

- 1.75 cu. ft. firebox capacity
- Up to 8 hours of burn time with each load of wood
- Designed for factory-build fireplace installations
- Fits in ZC fireboxes (min. 19" high)
- 140 CFM blower
- Easy-light dual air controls

Options

- Two door styles: arched in black, or with satin nickel trim, or rectangular in black
- Two surround sizes with black or satin nickel trim
- Door upgrade kit in satin nickel
- Adjustable hearth support
- Outside air kit

STEP 3 CHOOSE YOUR SURROUND

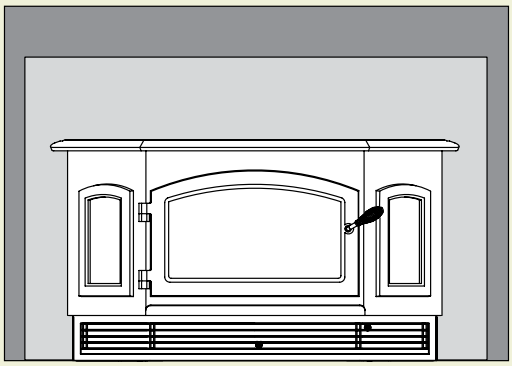
Surrounds remove the gap between the fireplace insert and existing fireplace opening. Choose from numerous sizes and styles for a unique look.

Voyageur Grand / Voyageur Surrounds

SURROUND	VOYAGEUR GRAND	VOYAGEUR
Cast Standard	44"W x 33"H	40"W x 30"H
Metal Standard	43"W x 31"H	43"W x 31"H
Metal Large	51"W x 34"H	51"W x 34"H

5100i / 4100i / 3100i / 2700i Surrounds

SURROUND	5100i	4100i	3100i	2700i
Metal Standard	43"W x 31"H	43"W x 31"H	43"W x 31"H	43"W x 31"H
Metal Large	51"W x 34"H	51"W x 34"H	51"W x 34"H	51"W x 34"H



☐ STANDARD SURROUND ■ LARGE SURROUND

Cast Surround
Available for the Voyageur Grand and Voyageur in black or porcelain mahogany

Metal Surround
Available for Voyageur Grand, Voyageur, 5100i, 4100i, 3100i, and 2700i in black with optional black or satin nickel trim

STEP 4 CUSTOMIZE YOUR INSERT

Make it your own. Select stunning finish options and decorative details.

VOYAGEUR GRAND / VOYAGEUR FINISH OPTIONS

Black

Porcelain Mahogany

DOOR & METAL SURROUND TRIM OPTIONS

Black - surround only
(no door trim)

Satin Nickel - door and surround trim
(metal surround trim only on Voyageur Grand / Voyageur)

5100i / 3100i / 2700i DOOR OPTIONS

Arched Door
Available in in black, or black with satin nickel trim

Door Upgrade Kit
Handle and hinge pins available in satin nickel trim

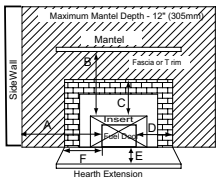
Rectangular Door
Available in black for the 3100i or 2700i

SPECIFICATIONS

	Technical Data						Performance				
	Width Fireplace Opening	Width Back of unit	Height Fireplace Opening	Depth Into Fireplace	Extension onto Hearth	Ship Weight	Maximum Burn Time	Firebox Capacity	Max. Log Length	Emissions	Efficiency
Voyageur Grand	32-5/8"	23-3/4"	23-1/2"	17-15/16"	2"	398 lbs.	12 hrs.	2.35 cu. ft.	21" max/ 20 ideal	3.1 g/hr	80.0%
Voyageur	29-3/16"	19-1/8"	21-1/2"	18-1/8"	2"	355 lbs	10 hrs	1.83 cu. ft.	20" max/18" ideal	4.1 g/hr	77.6%
5100i	29-1/16"	25-1/2"	21-1/4"	17-9/16"	11-3/4"	480 lbs	14 hrs	3.00 cu. ft.	20" max/18" ideal	4.17 g/hr	80.5%
4100i	30"	24"	21"	16-1/4"	10-9/16"	345 lbs	12 hrs	2.43 cu. ft.	18" max/16" ideal	4.3 g/hr	80.2%
3100i	27-5/8"	23-13/16"	21-1/2"	14-1/4"	7-3/4"	345 lbs	10 hrs	1.90 cu. ft.	18" max/16" ideal	2.0 g/hr	79.8%
2700i	29-1/16"	19-1/4"	22-1/16"*	17-1/4"	5-1/8"	295 lbs	8 hrs	1.75 cu. ft.	18" max/16" ideal	3.5 g/hr	78.1%

*Fireplace opening height for masonry fireplace. See below for factory built zero clearance requirement.

CLEARANCES

Insert	A	B	C	D	E	F	Clearance Diagram
Voyageur Grand	21-7/8"	25-3/4"	23-3/4"	11-3/4"	US - 16" CAN - 18"	US - 8" CAN - 12"	
Voyageur	20-1/2"	29"	22"	10-1/2"	US - 16" CAN - 18"	US - 8" CAN - 12"	
5100i	23-1/2"	27-1/2"	24-1/2"	18-1/2"	US - 16" CAN - 18"	US - 8" CAN - 12"	
4100i	22-1/8"	23"	21"	12-1/2"	US - 16" CAN - 18"	US - 8" CAN - 12"	
3100i	21-1/2"	31"	22"	15"	Floor height 0-6-1/2": 18" US and CAN Floor height >6-1/2": 16" US, 18" CAN	US - 8" CAN - 12"	
3100i w/8" mantel deflector		21"	21"				
2700i	19-3/4"	21-1/2"	14"	13"	Floor height 0-3-1/2": 18" US and CAN Floor height >3-1/2": 16" US, 18" CAN	US - 8" CAN - 12"	

Thermal protection is required in US and/or Canada on all units except the 5100i ACC. See owner's manual for specific details.

FACTORY BUILT ZERO CLEARANCE

Measurement*	Voyageur Grand	Voyageur	5100i	4100i	3100i	2700i
Minimum width of cavity opening - front	33"	32-7/8"	29-1/6"	30"	28"	32-1/2"
Minimum width of cavity opening - rear	24"	19-1/8"	25-1/2"	24"	24"	20"
Minimum height	24"	21-1/2"	20-3/4"	21"	22-1/2"	18-11/16"
Minimum depth from front to rear	18"	18-1/8"	17-9/16"	16-1/4"	14-1/2"	17-1/4"

*Need to add clearances for your individual installation.

HEATING CAPACITY

	Voyageur Grand	Voyageur	5100i	4100i	3100i	2700i
Peak BTU/Hour Output*	52,200	46,300	61,000	55,600	47,000	44,000
Heating Capacity* (sq. ft.)	1,100 - 2,800	900 - 2,400	1,200 - 3,100	1,100 - 2,800	1,000 - 2,500	900 - 2,300

*See your local Quadra-Fire authorized dealer for help in determining the product that best suits your heating needs based on climate and home efficiency. BTU/Hour Output: 1st hour output @ 63%. BTU/Hour Output will vary depending on the type of fuel used and moisture content of the fuel.

Available From:

QUADRA-FIRE®
NOTHING BURNS LIKE A QUAD

Web: www.quadrafire.com
Phone: 800-926-4356
facebook.com/QuadraFire
twitter.com/QuadraFire
youtube.com/QuadraFirePower

Limited Lifetime Warranty**
The strongest in the industry, Quadra-Fire provides a limited lifetime warranty on the most important aspects: firebox and heat exchanger.

** For full warranty details go to www.quadrafire.com

IMPORTANT - READ BEFORE YOU INSTALL!

Refer to the Owner/Installation Manual for complete clearance requirements and specifications. The images and descriptions in this brochure are provided to assist you in product selection only.

Quadra-Fire is a registered trademark of Hearth & Home Technologies. Product specifications and pricing subject to change without notice.

Fireplace, stove and insert surfaces get extremely HOT and can cause burns if touched. Keep a safe distance away. To learn more visit www.quadrafire.com/fireplacesafety

QDF-1035U-0315